EAST Search History

EAST Search History Prior Art

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	JP-2001155677-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/10 09:33
L34	5	"3540851" | "3589869" | "4261698").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/10 10:01
L41	14833	vacuum near2 chamber near2 "within" near2 vacuum near2 chamber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/10 10:35
L42	255	(vacuum near2 chamber near2 "within" near2 vacuum near2 chamber) same (mass near2 (spectrometer analyzer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/10 10:36
L43	9	42 and (porous membrane) with (vacuum near2 chamber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/10 10:36

L44	10	vacuum near2 chamber near2 "within" near2 vacuum near2 hous$4) same (mass near2 (spectrometer analyzer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/10 10:39
S1	13	((FINLAY near2 ALAN).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 11:23
S2	11	("6025591" or "6525314" or "5536939" or "5386115" or "5313061" or "3458699" or "3638401" or "5019139" or "5313061" or "5536939" or "5994696" or "7367216" or "20080128605")).PN.	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:02
S3	8382	(250/281,282,288,289,423R,428,430).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/07 12:14
S4	31	S3 and (mass near2 spectromet$4) and (valve with (break$4 or rupturable))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 12:15
S5	11	((mass near2 spectromet$4) with (vacuum)) and (glass with (break$4 or rupturable) with vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 12:24

S6	11	"3458699".URPN.	USPAT	OR	ON	2009/10/07 12:53
S7	0	((mass near2 spectromet$4)) and (sample with suppl $4 with (break$4 or rupturable) with vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 12:59
S8	74	((mass near2 spectromet$4)) and (sample with (break $4 or rupturable) with vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 12:59
S9	36	S8 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 12:59
S10	4	S8 and membrane with glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:00
S11	32	S9 not S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:00

S12	20	((mass near2 spectromet$4)) and (glass with (break $4 or rupturable) with vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:03
S13	9	S12 not S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:03
S14	25	((mass near2 spectromet$4)) and (seal with (break$4 or rupturable) with vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:04
S15	17	S14 not S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:05
S16	5685	((Polydimethylsiloxane or silicone or membrane) same (supply or source)) and (mass adj spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:12
S17	858	S16 and ((Polydimethylsiloxane or silicone or membrane) same vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:12

S18	140	S16 and ((Polydimethylsiloxane or silicone or membrane) with (source or supply) with ((mass adj spectromet$4) or analy$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:13
S19	4	S18 and (break$4 or brok$4 or ruptur$4) with (glass or actuat$4 or driv$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:14
S20	4	S18 and (break$4 or brok$4 or ruptur$4) with (glass or actuat$4 or driv$4 or vibrat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 13:14
S21	378	mass near2 spectromet$4) and (((high adj vacuum) or (low adj pressure)) same (sample with (entrance or enter or introduct$4 or suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 06:41
S22	1407	mass near2 spectromet$4) and (((high adj vacuum) or (low adj pressure)) same ((sample or gas) with (entrance or enter or introduct$4 or port or valve seal suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 06:42
S23	160	S22 and (((high adj vacuum) or (low adj pressure)) with seal$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 06:43

S24	14	S23 and (seal$4 with glass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 06:43
S25	5323	(mass near2 spectromet$4) and (((high adj vacuum) or (low adj pressure)) and ((sample or gas) with (entrance or enter or introduct$4 or port or valve seal suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 06:58
S26	59	S25 and (sample or gas) with break$4 with vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 06:59
S27	2	S26 and (actuat$4 or driv$4 or auto?matic or automatic) with break$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:00
S28	102	S25 and (sample or gas) same (break$4 with vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:01
S29	30	S28 and ((entrance or enter or introduct$4 or port or valve seal suppl$4) with break$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:01

S30	61	S25 and (break$4 near4 glass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:18
S31	3	S30 and ((breaking with glass with (entrance or enter or introduct$4 or port or valve seal suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:19
S32	0	(mass near2 (spectrometer analyzer)) same (membrane poro$5) same ((breaking with glass with (entrance or enter or introduct$4 or port or valve seal suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:21
S33	1	(mass near2 (spectrometer analyzer)) same ((breaking with glass with (entrance or enter or introduct$4 or port or valve seal suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:21
S34	24	(mass near2 (spectrometer analyzer)) same ((breaking with (entrance or enter or introduct$4 or port or valve seal suppl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:21
S35	5	S34 and (glass with seal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:22

S36	19	S34 not S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 07:22
S37	452	(mass near2 spectromet$4) with ((high adj vacuum) or (low adj pressure)) with (hous$4 chamber enclosure cavity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 08:35
S38	23	S37 and (porous$4 membrane) with (hous$4 chamber enclosure cavity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 08:36
S39	3	S38 and (valve with sample)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 08:38
S40	3492	(mass near2 spectromet$4) and (valve with sample)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 08:46
S41	998	S40 and (porous$4 membrane) same sample	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 09:00

S42	374	S40 and (porous$4 membrane) same sample same valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 09:00
S43	39	S42 and mems	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 09:00
S44	128	(mass near2 spectromet$4) and (membrane with across with chamber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:00
S45	38	S44 and (valve with sample)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:01
S46	7740	(mass near2 (analy$4 or spectromet$4)) and ((switch valve) with (entrance or enter or introduct$4 or port or valve seal suppl$4) with (gas sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:19
S47	1986	S46 and (vacuum with (entrance or enter or introduct $4 or port or valve seal suppl$4) with (gas sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:20

S48	107	S47 and ((membrane or porous$4) with (entrance or enter or introduct$4 or port or valve seal suppl$4) with (gas sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:20
S49	2	S48 and ((break$4) with (entrance or enter or introduct$4 or port or valve seal suppl$4) with (gas sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:21
S50	42	S48 and (mass near2 (spectrometer analyzer)) same (membrane porous$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:22
S51	1	S50 and (vacuum near4 (broken or break$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:23
S52	9	"3638401".URPN.	USPAT	OR	ON	2009/10/08 10:39
S53	150	control$4 with sample with introduct$4) same (mass near2 (analy$4 or spectromet$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:50

S54	19	S53 and (membrane with (sample or gas)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:51
S55	52	S46 and (pressure near2 differential$4) with membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:56
S56	30	S55 and sample with membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 10:56
S57	22	S55 not S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 11:00
S58	36	(valve with (sample gas) with membrane) same (mass near2 (analy$4 or spectromet$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 11:18
S59	2	JP-2001155677-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 12:32

S60	47	(membrane near2 inlet near2 mass near2 spectromet $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 12:35
S61	0	S60 and (vacuum near4 (broken or break$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 12:35
S62	5	S60 and (vacuum with valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 12:35
S63	25	S60 and (vacuum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 12:41
S64	8	S46 and (membrane near2 inlet near2 mass near2 spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 12:54
S65	0	((brok$4 or break$4) with (glass window with sample gas)) same (membrane) same ((analy$4 or spectromet$4) near2 mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:05

S66	2	((brok$4 or break$4) with (glass window seal) with (sample gas)) same (membrane) same ((analy$4 or spectromet$4) near2 mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:05
S67	1	((brok$4 or break$4) with (glass window seal) with membrane) same ((analy$4 or spectromet$4) near2 mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:06
S68	0	((brok$4 or break$4) with (glass window seal) with vacuum) same (membrane) same ((analy$4 or spectromet$4) near2 mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:06
S69	3	(brok$4 or break$4) with (glass window seal) with vacuum) and (membrane same ((analy$4 or spectromet$4) near2 mass))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:07
S70	1855	250/281,282,288,289,423R,428,430).CCLS.	US-PGPUB	OR	OFF	2009/10/08 13:19
S71	49	S70 and (mass near2 (analy$4 or spectromet$4)) and ((switch valve) with (entrance or enter or introduct$4 inlet or port or valve seal suppl$4) with (gas sample)) and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:20

S72	37	S71 and (gas sample) with membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:20
S73	16	S71 and (pressure) with membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:21
S74	8288	(membrane with (pressure near2 different$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:24
S75	63	S74 and (mass near2 (analy$4 or spectromet$4)) and ((switch valve seal$4) with (entrance or enter or introduct$4 inlet or port or valve suppl$4) with (gas sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:25
S76	52	S75 and (membrane with (seal$4 valve switch))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:26
S77	19	S75 and (spectromet$4 or analy$4) with vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:26

S78	17	S76 and S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:27
S79	2	S77 not S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:30
S80	35	S76 not S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/08 13:30
S81	1	"4201913".PN.	US-PGPUB; USPAT	OR	OFF	2009/10/08 15:58
S82	35	gas with sample with introduc$5) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:20
S83	12	S82 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:21

S84	1	((membrane with (sample or gas)) same ((suppl$4 or introduc$5) with (sample or gas) with (valve seal$4 glass))) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:24
S85	8	((membrane with (sample or gas)) and ((suppl$4 or introduc$5) with (sample or gas) with (valve seal$4 glass))) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:25
S86	111	(membrane with (sample or gas)) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:27
S87	44	((suppl$4 or introduc$5) with (sample or gas) with (valve seal$4 glass)) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:28
S88	10	S87 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:28
S89	1	(((sample or gas) with (valve seal$4 glass)) same (pressure with membrane)) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:30

S90	4	((sample or gas) with (pressure with membrane)) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:31
S91	111	((sample or gas) with (membrane)) and (mass near2 spectomet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:32
S92	49	S91 and ((block$4 or shield$4 or intercept$4 or break $4 or obstruct$5 or hinder$4 stop$4 or barrier close) with (sample or gas))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:34
S93	48	S92 and (slot channel or tub$4 or pip$4 or passag$4 or path?way or pathway or entrance or passage?way or communica$4 or interfac$4 or orifice or open$3 or inlet or entry or entry?way or outlet or exit or exit? way or diaphragm or sleeve or aperture or hole or cell or tunnel$4 or conduit) with (sample or gas)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:36
S94	17	"3801788"	"3895231"	"3992626"	"4023398". PN. OR ("4201913").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 07:47
S95	200	membrane with (pressure near2 different$4) and (mass near2 spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:51

S96	115	S95 and glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:52
S97	15	S95 and glass with seal$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:52
S98	2	S86 and S95	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:55
S99	144	S95 and (membrane with (gas$4 or sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:58
S100	31	S95 and (membrane with (mass near2 (spectromet$4 or anayl$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:58
S101	30	S99 and S100	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:59

S102	9	"3638401".URPN.	USPAT	OR	ON	2009/10/09 08:11
S103	64	S95 and membrane.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:18
S104	10	S103 and (mass near2 spectromet$4).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:18
S105	8	"3751880".URPN.	USPAT	OR	ON	2009/10/09 08:21
S106	208	membrane with (sample or gas) with (mass near2 spectromet$4 analy$4))	USPAT	OR	ON	2009/10/09 08:22
S107	81	S106 and (membrane with pressure)	USPAT	OR	ON	2009/10/09 08:23
S108	78	S107 and ((sample or gas) same pressure)	USPAT	OR	ON	2009/10/09 08:23
S109	464	membrane with (sample or gas) with (mass near2 spectromet$4 analy$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:23
S110	81	S109 and (membrane with pressure)	USPAT	OR	ON	2009/10/09 08:24
S111	78	S110 and ((sample or gas) same pressure)	USPAT	OR	ON	2009/10/09 08:24

S112	150	S109 and (membrane with pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:24
S113	78	S110 and ((sample or gas) same pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:24
S114	138	S112 and ((sample or gas) same pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:24
S115	24	S114 and ((pressure or vacuum) with (seal plug))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:25
S116	12	S112 not S114	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:58
S117	107	S86 not S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:59

S118	2	JP-2002357593-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:09
S119	17	(membrane near2 across near2 chamber) with (analy $4 or spectrometer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:13
S120	2	(membrane near2 locat$4 near2 chamber) with (analy $4 or spectrometer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:16
S121	69	(membrane with chamber) with (spectrometer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:16
S122	6787	(250/281-300).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/10/09 09:17
S123	18	S121 and S122	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:17

S124	3	US-4551624-$.DID. OR US-5763876-$.DID. OR US-6627878-$.DID.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:24
S125	1	"5723861".PN.	US-PGPUB; USPAT	OR	OFF	2009/10/09 09:25
S126	70	"3668382" | "4317995" | "5420424".PN. OR "5723861".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 09:25
S127	67	"5723861".URPN.	USPAT	OR	ON	2009/10/09 09:25
S128	7	S86 and S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:26
S129	1	"7511268".PN.	US-PGPUB; USPAT	OR	OFF	2009/10/09 09:26
S130	17	"20020016004" | "20030036272" | "20050085740" | "20050139762" | "20060102844" | "20060249673" | "3699333" | "4311669" | "4777363" | "5109691" | "5420424" | "5723861" | "5736739" | "5811059" | "5968837" | "6803567" | "7211791".PN. OR "7511268".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 09:27
S131	9	"5703359".URPN.	USPAT	OR	ON	2009/10/09 10:04
S132	171	sample with (introduc$4 supply inlet) with membrane) and (mass near2 spectromet$4)	USPAT	OR	ON	2009/10/09 10:08
S133	50	sample with (introduc$4 supply inlet) with membrane) and (mass near2 spectromet$4).ab.	USPAT	OR	ON	2009/10/09 10:08

S134	17	"20020053636" | "20020125425" | "20060219898" | "4388531" | "4755685" | "4849628" | "5313061" | "5818055" | "5837883" | "5844237" | "5896196" | "6239429" | "6329654" | "6410914" | "6541768" | "6593568" | "6825466".PN. OR "7427750".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 10:16
S135	5	"3723729".URPN.	USPAT	OR	ON	2009/10/09 10:33
S136	517	sample with (introduc$4 supply inlet) with (porous$4 $5permeabl$4 membrane)) and (mass near2 spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:36
S137	197	S136 and ((pressure) with (porous$4 $5permeabl$4 membrane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:36
S138	114	S137 and (break or clos$4 or open$3) with (sample)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:39
S139	116	S137 and (break$4 or brok$4 or clos$4 or open$3) with (sample)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:39

S140	64	S139 and (break$4 or brok$4 or clos$4 or open$3) with (pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:39
S141	25	S140 and (spectrometer or analyzer) with (membrane or $5permeable or porous$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:40
S142	11	(mass near2 spectrometer) and ((valve seal glass) with membrane with vacuum with (chamber hous$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:52
S143	37	(mass near2 spectrometer) and ((valve seal glass) with (membrane filter) with vacuum with (chamber hous$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:56
S144	26	S143 not S142	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 10:57
S145	57	membrane with ((ionization or ionisation) near3 (chamber volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 11:06

S146	22	S145 and (mass near2 spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 11:06
S147	89	membrane with ((analyzer or spectromet$4) near3 chamber volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 11:14
S148	52	S147 and (mass near2 spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 11:14
S149	29	S122 and S148	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 11:15
S150	498	control$4 near3 (sample) with (mass near2 spectromet$4 or analyzer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 11:52
S151	74	control$4 near3 (sample) with (suppl$4 or introduc $4 inlet) with (mass near2 (spectromet$4 or analyzer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:02

S152	3	S151 and (pressure with (porous$4 $5permeabl$4 membrane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:03
S153	13	S150 and (pressure with (porous$4 $5permeabl$4 membrane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:04
S154	4	"3801788" | "3895231" | "3992626" | "4023398". PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 12:06
S155	14	"2829259" | "3080754" | "3413463".PN. OR "3992626".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 12:09
S156	9	control$4 near3 (sample) with (suppl$4 or introduc $4 inlet) with (pressure with (porous$4 $5permeabl$4 membrane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:12
S157	54	control$4 near3 (sample) with (suppl$4 or introduc $4 inlet) and (pressure with (porous$4 $5permeabl$4 membrane)) and (mass near2 (spectrometer analyzer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:13
S158	54	"5313061".URPN.	USPAT	OR	ON	2009/10/09 12:16

S159	103	("2916649" | "3084249" | "3230362" | "3291980" | "3594574" | "3659236" | "3699332" | "3700893" | "3939344" | "3946227" | "3984692" | "3992626" | "3996464" | "4008388" | "4016421" | "4037100" | "4160161" | "4209696" | "4213326" | "4256963" | "4266127" | "4296323" | "4315153" | "4411575" | "4442353" | "4459481" | "4459844" | "4472630" | "4472631" | "4480187" | "4514628" | "4517461" | "4536652" | "4560878" | "4652752" | "4686365" | "4694168" | "4723076" | "4746794" | "4812649" | "4842701" | "4851669" | "4866267" | "5012052" | "H000414").PN. OR "5313061".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 12:16
S160	71	S122 and S159	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 12:16
S161	1	S157 and S160	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 12:17
S162	447	sample with (suppl$4 inlet introduc$4 enter enteran $4) with (porous$4 $5permeabl$4 membrane) and mass near2 (spectrometer analyzer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:25
S163	180	((pressure or vacuum) with (porous$4 $5permeabl$4 membrane)) and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:26
S164	91	S163 and (pressure near2 differen$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:27

S165	55	S164 and (pressure vacuum) with (mass near2 spectrometer analyzer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:28
S166	1	"2006/0060771".URPN.	USPAT	OR	ON	2009/10/09 12:30
S167	20	S162 and "MEMS"	USPAT	OR	ON	2009/10/09 12:32
S168	48	S162 and "MEMS"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:33
S169	14	S165 and "MEMS"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:33
S170	41	S165 not S169	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:36
S171	11	S162 and (break or broken) near3 glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:45

S172	2	"MEMS" and (mass near2 spectromet$4) and (break or broken) near3 glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 12:48
S173	162	(mass near2 spectromet$4) and (break or broken) near3 glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 12:48
S174	24	sample with (suppl$4 inlet introduc$4 enter enteran $4) and (porous$4 $5permeabl$4 membrane)) and S173	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:49
S175	19	S174 not S171	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 12:49
S176	20	((rupturable break$4) near2 diaphram))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 13:11
S177	0	S176 and (mass near2 spectromet$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 13:12

| S178 | 2591 | ((rupturable break$4) near2 (diaphragm)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/09 13:12 |
| S179 | 10 | S178 and (mass near2 spectromet$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/09 13:13 |

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